

Curriculum Vitae

Name: Linda J. Hood, Ph.D.

Office Address: Department of Hearing and Speech Sciences
Vanderbilt University
Vanderbilt Bill Wilkerson Center
1215 21st Avenue South, MCE South Tower, Room 8310
Nashville, TN 37232

Office Phone Number: 615.936.4612
Office Fax Number: 615.936.6914
Email: linda.j.hood@vanderbilt.edu
Place of Birth: [REDACTED]
Citizenship: [REDACTED]

Education:

College Bowling Green State University, Bowling Green, Ohio
Bachelor of Science, [REDACTED]
Major in Education (Speech and Hearing)

Professional or graduate Kent State University, Kent, Ohio
Masters of Arts, [REDACTED]
Major in Audiology
Thesis: The effects of reverberation on speech discrimination scores

University of Maryland, College Park, Maryland
Doctor of Philosophy [REDACTED]
Major in Hearing Science
Dissertation: Auditory evoked potential asymmetries and their relation to ear dominance for dichotic chords

Postgraduate fellowship NIH Post-Doctoral Fellowship, [REDACTED]
Kresge Hearing Research Laboratory
LSU Medical Center, New Orleans, Louisiana
Area: Auditory Anatomy and Physiology
Mentors: [REDACTED]

Licensure and Certification:

State Licensure Louisiana State License in Audiology, Louisiana State Board of Examiners in Speech Pathology and Audiology, 1982-2006, [REDACTED].
Tennessee State License in Audiology, Application filed

Certification Certificate of Clinical Competence in Audiology, American Speech-Language-Hearing Association, 1975-present
Board Certification in Audiology, American Board of Audiology, 2002-present.

Academic Appointments:

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|--------------|---|
| 1977-1982 | Assistant Instructor/Clinical Supervisor, Department of Hearing and Speech Sciences, University of Maryland, College Park, Maryland |
| 1984-1989 | Adjunct Graduate Faculty Member, University of New Orleans, New Orleans, Louisiana. |
| 1987-1999 | Associate Professor, Kresge Hearing Research Laboratory of the South, Department of Otolaryngology-Head and Neck Surgery, Louisiana State University Medical Center, New Orleans, Louisiana |
| 1987-2005 | Adjunct Associate Professor (1987-1999)/Professor (1999-present), Department of Communication Disorders, LSU Medical Center, New Orleans, Louisiana |
| 1994-2005 | Adjunct Associate Professor (1994-1999)/Professor (1999-present), Neuroscience Program, LSU Health Sciences Center, New Orleans, Louisiana |
| 1997-2005 | Adjunct Associate Professor (1997-1999)/Professor (1999-present), Department of Genetics, LSU Health Sciences Center, New Orleans, Louisiana |
| 1998-2005 | Member, Graduate Faculty, LSU Health Sciences Center, New Orleans, Louisiana |
| 1999-2005 | Professor, Kresge Hearing Research Laboratory of the South, Department of Otolaryngology-Head and Neck Surgery, Louisiana State University Health Sciences Center, New Orleans, Louisiana |
| 2000-2005 | Adjunct Professor, Department of Hearing and Speech Sciences, Vanderbilt University, Nashville, Tennessee |
| 2000-Present | Faculty, Vanderbilt/Central Michigan University AuD distance learning program |
| 2002-2005 | Adjunct Professor, Department of Communication Sciences and Disorders, Louisiana State University, Baton Rouge, Louisiana |
| 2005-Present | Professor, Department of Hearing and Sciences, Vanderbilt University, Nashville, Tennessee |
| 2005-Present | Associate Director for Research, National Center for Childhood Deafness and Family Communication, Vanderbilt Bill Wilkerson Center, Vanderbilt University Nashville, Tennessee |
| 2009-Present | Honorary Professor, Audiology Program, School of Health and Rehabilitation Sciences, University of Queensland, Brisbane, Australia |

Hospital Appointments:

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| 1977-1982 | Audiologist, Audiology and Speech Pathology Service and Auditory Research Laboratory, Veterans Administration Medical Center, Washington, DC. |
| 1982-1983 | Audiologist, Joachim Hearing and Speech Center, EENT Hospital, New Orleans, Louisiana. |

Employment: (other than academic and hospital appointments)

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|-----------|--|
| 1969-1972 | Speech and Hearing Therapist, Willoughby-Eastlake City School District, Willoughby, Ohio |
| 1972-1973 | Audiologist, Lake County Society for Crippled Children and Adults, Mentor, Ohio |
| 1974-1975 | Audiologist, Central Florida Speech and Hearing Center, Lakeland, Florida (including Clinical Fellowship Year) |
| 1975-1977 | Coordinator of Clinical and Industrial Audiology Services, Lansdowne Mental Health Center, Ashland, Kentucky |
| 1977-1982 | Research Assistant, Biocommunications Laboratory, Department of Hearing and Speech Sciences, University of Maryland, College Park, Maryland |
| 1978-1982 | Audiologist, Juan J. Garro, M.D., Washington, DC, and Prince Frederick, Maryland |
| 1982-1983 | Research Associate, Kresge Hearing Research Laboratory of the South, Department of Otorhinolaryngology and Biocommunication, Louisiana State University Medical Center, New Orleans, Louisiana |
| 1984-1987 | NIH Post-Doctoral Fellow, Kresge Hearing Research Laboratory of the South, Department of Otorhinolaryngology and Biocommunication, Louisiana State University Medical Center, New Orleans, Louisiana |
| 1984-1987 | Research Audiologist, Project: Cochlear Implant, Louisiana State University Medical Center and Eye, Ear, Nose and Throat Hospital, New Orleans, Louisiana |
| 1987-2005 | Director/Scientific Director, Cochlear Implant Program, LSU Medical Center and EENT Institute, Memorial Hospital, New Orleans, Louisiana |
| 1987-2005 | Consultant, Veterans Administration Medical Center, New Orleans, Louisiana |

Professional Organizations:

Current Professional Association Membership

American Academy of Audiology (President 1992-1993)
 American Auditory Society
 American Speech-Language-Hearing Association
 Association for Research in Otolaryngology
 International Evoked Response Audiometry Study Group
 International Society of Audiology

Association Leadership and Committee Activities

Audiological Standards Committee, Florida Speech and Hearing Association, 1974-1975
 Committee on Disorders of Central Auditory Processing, American Speech-Language-Hearing Association, 1986-1990, Chair: 1988-1990
 Founder, American Academy of Audiology, 1988
 Member, Advisory Board and Board of Representatives, American Academy of Audiology, 1988-1991
 Co-chair, Liaison Committee, American Academy of Audiology, 1988-1991
 Program Committee, American Speech-Language-Hearing Association, 1988-1991, 2008, 2009
 Program Committee, American Auditory Society, 1988

Convention Chair, American Academy of Audiology, 1990
 Chair, Convention Planning Committee, American Academy of Audiology, 1991
 President-Elect, American Academy of Audiology, 1991-1992
 President, American Academy of Audiology, 1992-1993
 Past President, American Academy of Audiology, 1993-1994
 Past President and Parliamentarian, American Academy of Audiology, 1994-1995
 Executive Committee and Board of Directors, American Academy of Audiology, 1991-1995
 Convention and Meetings Committee, American Academy of Audiology, 1994-2000
 Chair, Research Committee, American Academy of Audiology, 1994-1998
 Publications Committee, American Academy of Audiology, 1989-1990 and 1994-1997
 Allied Organization Committee, American Academy of Audiology, 1994-1998
 American Academy of Audiology, Council of Past Presidents, 1994-present
 Subcommittee on Standards for Otoacoustic Emissions, American National Standards Institute (ANSI), 1995-present
 American Speech-Language-Hearing Association Blue Ribbon Panel on Future Directions in Audiology, Rockville, MD, 1997
 American Academy of Audiology Research Committee, 1998-2002
 American Academy of Audiology Foundation Board of Trustees, 1998-2009
 Association for Research in Otolaryngology representative to the Fall Research Forum of the American Academy of Otolaryngology-Head and Neck Surgery, 2002-2004
 Long-Range Planning Committee, Association for Research in Otolaryngology (ARO), 2003-2005
 International Committee, American Academy of Audiology, 2004-2009; Co-chair 2006-2009
 American Auditory Society Executive Board Member, 2005-present; Treasurer, 2006-present
 International Society of Audiology Delegate, 2008-present; Executive Committee, 2010-present

Professional Activities:

Intramural:

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| 1987-2005 | Director and Scientific Director, Cochlear Implant Program, LSU Medical Center and Memorial Hospital, New Orleans |
| 1989-2002 | Executive Committee for Kam's Fund for Hearing Research, LSU Medical Center |
| 1990-2002 | Co-Director, Continuing Education Courses, Kresge Hearing Research Laboratory |
| 1998-2005 | Resident Basic Research Program, Department of Otolaryngology-Head and Neck Surgery, LSU Health Sciences Center, New Orleans, Louisiana |
| 2002-2005 | Director, Continuing Education Courses, Kresge Hearing Research Laboratory |
| 2006-2008 | Member, Vanderbilt Department of Hearing and Speech Sciences Promotion Committees |
| 2008-present | Member, Vanderbilt Kennedy Center Research Family Partners Oversight Committee |

Extramural:

National Institutes of Health (NIH) National Institute on Deafness and Other Communication Disorders (NIDCD)

Scientific Review Study Sections

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|-----------|---|
| 1996 | NIH-NIDCD Small Grant Applications (R03) Study Section |
| 1997-2000 | NIH NIDCD Small Business Innovative Research Study Section (ad hoc reviewer, chair) |
| 1998-2000 | NIH NIDCD Hearing Research Study Section (ad hoc reviewer) |
| 2000-2005 | NIH NIDCD Hearing Study Section (IFCN-6), Regular Member |
| 2006 | NIH NIDCD Special Emphasis Panel (R21/33), Chair |
| 2009 | NIH NIDCD Auditory Neuroscience Study Section, Member (reviews January, May, June) |
| 2010 | NIH NIDCD Special Emphasis Panel (May 2010), Chair |

NIH-NIDCD Working Groups

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| 1997 | NIH NIDCD Working Group on Early Identification of Hearing Impairment |
| 1998 | NIH NIDCD Working Group on Considerations for Developing and Implementing Genetic Diagnostic Tests for Hereditary Hearing Impairment and Other Communication Disorders, Co-Chair Writing |

US Food and Drug Administration

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| 2000-present | Member, USFDA Ear, Nose, and Throat Devices Panel Most recent voting activity, December 2009 |
| 2002-2005 | Full Voting Member, USFDA Ear, Nose, and Throat Devices Panel |

Consultant Activities

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| 1996-2000 | House Ear Institute, Los Angeles. Efferent Suppression of Otoacoustic Emissions |
| 1997-2003 | Albert Einstein College of Medicine, Bronx, NY. NIH Grant on Otitis Media, Subproject on "The impact of early auditory experience on later auditory function" |
| 1997-2003 | Albert Einstein College of Medicine, Bronx, NY. NIH Grant on "The Biology of Autism" |
| 1997-present | Blue Mountains Hearing Study, University of Sydney and Macquarie University, Sydney, Australia |
| 2001-present | Michigan State University. Hereditary Hearing Loss Research Program |
| 2008-present | Advisory Group for NIH-NIDCD Grant on Genetics, Children's Hospital of Philadelphia. |

Editorial appointments, review activities:

Review Activities (1987-Present):

Grant Reviewer: Veterans Administration Research Grants Program (most recent 2009)
American Speech-Language-Hearing Foundation
March of Dimes Research Foundation
American Academy of Audiology Research Awards Program
Tinnitus Research Consortium (most recent 2010)
RNID Grants – Royal National Institute for the Deaf, U.K.
MRC Grants – Medical Research Council, U.K.

Dissertation Reader: University of the Witwatersrand, South Africa (2 dissertations)
University of Melbourne, Melbourne, Australia
Macquarie University, Sydney, Australia
University of Mysore, Mysore, India
Tel-Aviv University, Israel


Peer Reviewer: Archives of Otolaryngology
Asia Pacific Journal of Communication
Brain

Ear and Hearing
 Electroencephalography and Clinical Neurophysiology
 International Journal of Audiology
 Journal of the Acoustical Society of America
 Journal of the American Academy of Audiology
 Journal of the Association for Research in Otolaryngology
 Journal of Speech-Language-Hearing Research

Other professional activities:

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| 1972 | Writing and implementation of a Research and Demonstration Grant for Educational Audiology, State of Ohio |
| 1972-1972 | Implementation of a Research Grant for Early Education of the Hearing Impaired, Lake County Society for Crippled Children and Adults |
| 1973 | Editorial Assistant for book on <i>Acoustic Measurements and Experiments</i> , B&K Instruments, Cleveland, Ohio |
| 1986 | Invited Mock Site Visitor, Callier Center for Communication Disorders, Evaluation of Spasmodic Dysphonia Grant |
| 1978-2005 | Supervisor, Clinical Fellowship Years in Audiology |
| 1992 | Consultant, Department of Otolaryngology, Indiana University School of Medicine |
| 1992-1996 | Member, Scientific Advisory Board, AudioLogic, Inc., Boulder, Colorado |
| 2000 | Invited participant, NIH supported BSCS writing conference on "Your Ear: A Sensitive, Rapid, but Fragile Sound Processor", development of science units for middle school students. BSCS, Colorado Springs, Colorado |
| 2001 | Genetics Working Group for implementation of genetics into allied health curricula, Audiology representative |
| 2001-present | AuD Program Advisory Board, Rush University, Chicago, Illinois |
| 2003-2005 | Chair, Working Group on Development of Guidelines for Infant Hearing Testing, Louisiana Department of Health |
| March 2009 | Organized Vanderbilt participation in Special Olympics Healthy Hearing event at Lipscomb University |
| 2009, 2010 | Participant/Evaluator, NIH NIDCD twins research program on genetics and hearing |

Special awards or recognition for professional activities:

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|  | Kappa Delta Pi Honorary, Bowling Green State University Phi Kappa Phi Honorary, University of Maryland Sigma Xi, The Scientific Research Society. |
| 1989 | American Speech-Language-Hearing Association Scientific Exhibit First Place Award for Scientific Merit: "Hearing Science and Current Audiological Practice" |
| 1993 | Fellow, American Speech-Language-Hearing Association |

1999 Invited Presidential Lecture Speaker, Triological Society.
 1999 Distinguished Alumni Award, Mentor High School
 2002 Research Achievement Award, American Academy of Audiology
 2006 Distinguished Alumni Award, Bowling Green State University
 2009 Nominee for "100 of the Most Prominent Alumni", Bowling Green State University

Teaching Activities:

Graduate School Courses:

Graduate Academic Courses (responsible for all development of course materials and all teaching):

Vanderbilt University:

AUD/HRSP 5303/303: Hereditary Hearing Loss – graduate course 3 credits. Fall 2006: [REDACTED]
 2007 [REDACTED] Fall 2008: [REDACTED] Fall 2009: [REDACTED]

AUD/HRSP 5332/332: Pathology of the Auditory system – graduate course 3 credits. Fall 2009: [REDACTED]
 [REDACTED]

HRSP 398: Independent Study/PhD Research - graduate courses 3 credits. Fall 2006: [REDACTED]; Spring
 2007 [REDACTED]; Summer 2007: [REDACTED]; Fall 2007: [REDACTED] Spring 2008: [REDACTED] Summer
 2008: [REDACTED]; Spring 2009: [REDACTED].

Capstone Research (Capstone I and Capstone II)

Director: [REDACTED]

Director: [REDACTED]

Co-Director: [REDACTED]

Guest lectures in AUD courses (2006-present):

AUD course on ABR (Jacobson, McCaslin): Guest lectures

AUD course on Cochlear Implants (Tharpe): Guest lectures

AUD course for topic overviews organized by [REDACTED] Guest lectures, and supervised
 PhD presentations

Courses taught in the Department of Communication Disorders at LSU Health Sciences Center (average
 number of students per class [REDACTED])

Disorders of the Auditory System II, Advanced Auditory Evoked Potentials. Semester course, one
 three-hour lecture per week, 1985, 1987, 2001, 2002, 2003, 2004. Taught full semester in 1985,
 1987, 2004; half semester in 2001, 2002 and 2003.

Disorders of the Auditory System I. Full semester course, one three-hour lecture per week, 1987,
 1994, 1997.

Pediatric Audiology. Full semester course, one three-hour lecture per week, 1994.

Courses taught by invitation at other universities (development of all course materials and all teaching):

Auditory Management, University of New Orleans. [REDACTED]. Full semester course, one
 three-hour lecture per week, 1985.

Advanced Audiology and Central Auditory Processing, Department of Communication Sciences, Dalhousie University, Halifax, Nova Scotia, Canada [REDACTED] in Master's degree program, Full course material presented daily in full day lectures and labs over a two-week period, 1990, 1996.

Auditory Electrophysiology, Speech and Hearing Department, Auburn University, Auburn, Alabama, [REDACTED] in Master's degree program in audiology. Full course material presented daily in full day lectures and labs over a two-week period, 1992.

Diagnostic Audiology and Auditory Evoked Potentials, Department of Hearing and Speech, University of Hong Kong, Hong Kong, [REDACTED] in Master's degree program in audiology. Full course material presented in full day lectures and labs daily over a two-week period, 1997, 1999, 2001, 2003, 2005.

Hearing Disorders, Department of Communication Disorders, Louisiana State University, Baton Rouge, [REDACTED] in the Master's degree program in audiology. Full semester course, one three-hour lecture per week, 2003.

Advanced Electrophysiology, Vanderbilt/Central Michigan University AuD program, 2000-2009. 12-week graduate course with 3 hours credit in a distance learning program. Responsible for course development and all teaching. Taught 2-3 times per year.

Continuing Education:

Continuing Education Courses:

Kresge Laboratory Continuing Education Courses (Faculty, 1982-2005; Co-Director, 1990-2002; Director 2002-2005):

Each of these courses presented one time each year during the years indicated.

Practical Short Course in Auditory Brainstem Response and Otoacoustic Emissions (1982-2004).

Advanced Course in Auditory Brainstem Response and Otoacoustic Emissions (1982-2004).

Practical Short Course in Programmable and Digital Hearing Aids with Simultaneous Use of Real-Ear Measurement (1988-2002).

Pediatric Assessment and Management of Hearing Loss (1988-2004).

Central Auditory Pathways and Human Brain Dissection (1994-2000).

New Developments in the Practice of Modern Audiology (1998-2002)

Evaluation and Management of Auditory Neuropathy/Dys-synchrony (2005)

Mirmelstein Hearing Science Symposia in New Orleans (Co-organizer and Faculty, 1995-2002)

One symposium organized each year with invited major hearing scientists with the Mirmelstein Award Recipient as the Keynote Speaker.

Vanderbilt/Bill Wilkerson Center Continuing Education Courses (Faculty, 2001-2004, 2007)

Pediatric Amplification Courses, Lecturer

Two courses each year, planned and presented one-half day of lectures on "Physiologic methods of evaluating hearing loss" and "Auditory neuropathy/dys-synchrony".

Vanderbilt University "Modern Developments in Audiology", Faculty 2007, 2009

Clinical Teaching:

Auditory Physiology and Clinical Audiology for Otolaryngology Residents, Department of Otolaryngology, LSUHC, New Orleans, Louisiana, 1984-2005. Four to six one- and two-hour lectures each year.

Auditory Physiology and Clinical Audiology for Medical Students, LSU Medical Center, New Orleans, Louisiana, 1987-2005. Two one-hour lectures and two labs each year.

Auditory Physiology and Clinical Audiology for Neuroscience Students, LSU Medical Center, New Orleans, Louisiana, 1987-2005. Two one-hour lectures/labs each year.

Auditory Physiology and Clinical Audiology for Dental Students, LSU Medical Center, New Orleans, Louisiana, 1987-2005. Two one-hour lectures/labs each year.

Lecture for Otolaryngology residents/faculty, Vanderbilt University. September, 2010

Research Supervision:

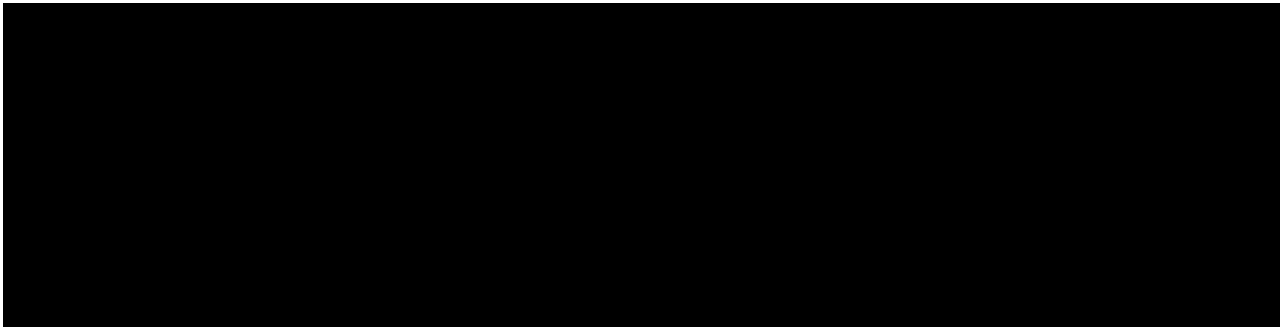
Post-Doctoral:



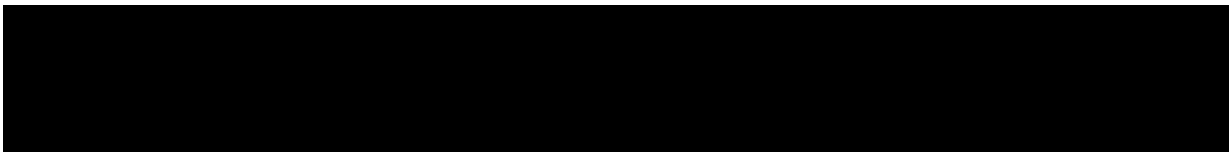
Current PhD Students:



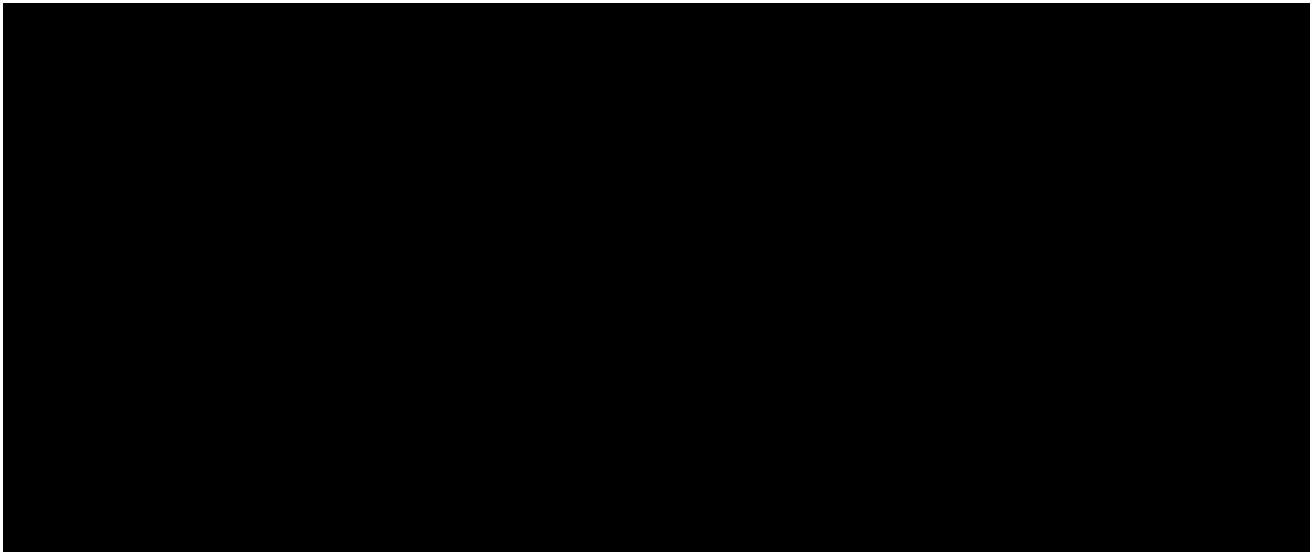
PhD Students (completed):



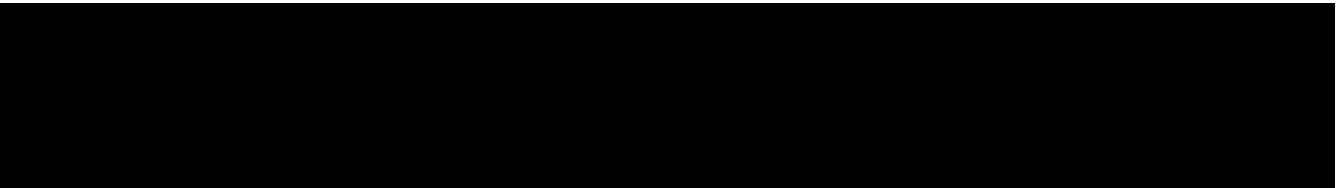
Doctoral Dissertation Committees (completed):



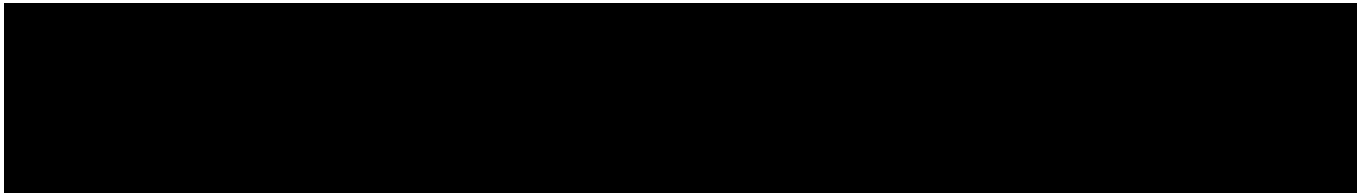
Dissertation Committee. Defense, July 2010



Independent Research Study:

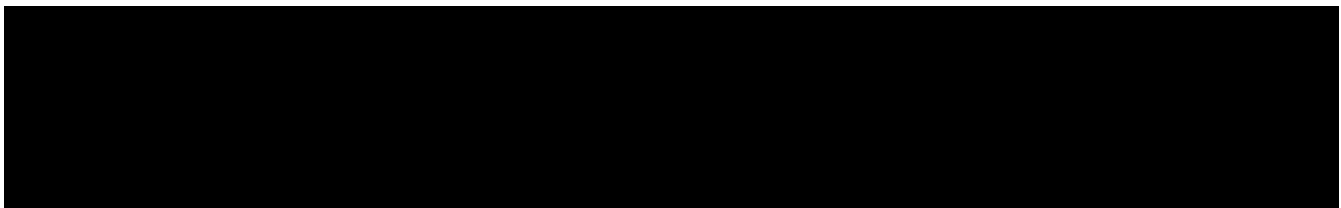


Medical Students:



Other Significant Activities:

Civic activities:



Research Program:

Active:

Principal Investigator: NIH-NIDCD T35. "Research training in hearing science". 2007-2012. Provides short-term research training opportunities for AuD students.

Co-Investigator and Mentor: American Academy of Audiology Student Research Award (Research Grant) to Christopher Spankovich. 2010.

Principal Investigator, Subcontract: NIH-NIDCD SBIR Phase I Study. "Physiologic air and bone conduction responses in the detection of hearing loss", R Delgado, PI. Dr. Hood is responsible for evaluation of new methods and algorithm development of new ASSR paradigms. 2010-2011.

Collaborator: NIH-NIDCD R24. "Multidisciplinary approaches to patient-oriented studies of auditory neuropathy". PI: L Bernstein, House Ear Institute.

Pending:

Principal Investigator, NIH-NIDCD R01. "Modeling human auditory maturation and behavioral outcomes", Multiple PI grant with B Prieve Syracuse University PI. Submitted October 2010.

Submitted and reviewed, not funded:

Principal Investigator. "Noise susceptibility and diabetes". NIH NIDDK RC grant, 2009.

Principal Investigator. "Noise susceptibility and diabetes". Diabetes Training Center grant, 2008, 2009.

Mentor and Investigator, "Noise susceptibility and diabetes". American Hearing Research Foundation, 2009.

Grants Received (most recent):

Principal Investigator, Subcontract: NIH-NIDCD SBIR Phase II Study. "Fast audiogram detection using auditory steady-state responses", R Delgado, PI. Dr. Hood is responsible for evaluation of new methods and algorithms and input to development to Intelligent Hearing Systems for applications of AEPs to pediatric auditory threshold estimation. 2006-2009.

Principal Investigator: NIH-NIDCD R01. "Auditory and genetic studies of hereditary hearing loss", Total amount of award: \$837,524, 5/1/99-4/30/05.

Principal Investigator: "Auditory Neuropathy", Oberkötter Foundation, [REDACTED] per year [REDACTED] 2003-2005.

Co-Investigator: "Genetic studies in the Acadian Population", HEF 2000-05 Louisiana Millennium Trust Health Excellence Fund, total amount and period of award: [REDACTED]; 6/1/00 – 5/31/05, Principal Investigator: Bronya Keats.

Co-Investigator: "Center for Acadiana Genetics and Hereditary Health Care", D04RE00136-02 HRSA, total amount and period of award: \$4,196,243; 9/1/99 – 8/31/05, Principal Investigator: Bronya Keats.

Grants Received (completed – in chronological order):

American Speech-Language-Hearing Foundation and Psi Iota Xi Research Award, "A. Comparison of the Characteristics of Auditory Evoked Potentials in Stutterers and Non-Stutterers", [REDACTED], 1984.

Co-Principal Investigator: "Auditory Mechanisms", NIH NIDCD P01-000379 Program Project Grant, C. Berlin, P.I., 1987-1997 (years of Hood participation); total duration of grant 1986-1997. One-year award amount (for final year of grant): \$1,010,159.

Co-Investigator: "Auditory Physiology", NIH NIDCD T32-00007 Training Grant, C. Berlin, P.I., 1987-1997 (years of Hood participation); total duration of grant 1977-1997. One-year award amount (for final year of grant): \$156,576.

Principal Investigator: NIH-BRSG Grant, "Auditory sensitivity and conductive hearing loss in precocial and altricial rodents." Louisiana State University, \$4850, 1988.

Principal Investigator: National Organization for Hearing Research, "Peripheral and central effects of aging on the auditory system", [REDACTED] 1994.

Hearing Innovations Pilot Project, "High-frequency bone conduction", [REDACTED] 1994.

Oticon Project, "Sound field KEMAR measures of the Digifocus "Hearing Innovations Pilot Project for "High-frequency bone conduction", [REDACTED], 1994.

Principal Investigator: "Efferent suppression of otoacoustic emissions: Aging effects", American Hearing Research Foundation, [REDACTED], 1996.

Principal Investigator: "Binaural interaction at cochlear and brainstem levels: Changes with aging", American Hearing Research Foundation, [REDACTED] 1998.

Principal Investigator: "The development of efferent function in human infants", Deafness Research Foundation, [REDACTED], 1998.

Principal Investigator: "Efferent effects of peripheral auditory function", National Organization for Hearing Research, [REDACTED], 1998.

Co-Investigator: "Auditory Neuropathy", Oberkotter Foundation, [REDACTED] per year [REDACTED] 1998-2001, Principal Investigator, C. Berlin.

Principal Investigator: "The development of efferent function in human infants", Deafness Research Foundation, [REDACTED], 1999.

Principal Investigator: "Identification of children with Usher syndrome in Louisiana", State of Louisiana, Department of Education, [REDACTED], 1999.

Principal Investigator: "The development of efferent function in human infants", Deafness Research Foundation, [REDACTED] 2000.

Co-Investigator: "Auditory Neuropathy", Oberkotter Foundation, [REDACTED] per year [REDACTED] 2001-2002, Principal Investigator, C. Berlin.

Publications and Presentations

1. Articles in refereed journals

1 Hood LJ, Millin JP. Adaptation and fatigue: Some proposed operational definitions. *Ohio J Sp Hear* 8:23-27, 1973.

2 Penner MJ, Brauth S, Hood LJ. The temporal course of the masking of tinnitus as a basis for inferring its origin. *J Sp Hear Res* 24:257-261, 1981.

3 Causey GD, Hood LJ, Hermanson CL, Bowling LS. The clinical and acoustic parameters of hearing aid effectiveness. *Bull Prosth Res* 19:64-65, 1982.

- 4 Causey GD, Hermanson CL, Hood LJ, Bowling LS. A comparative evaluation of the Maryland NU 6 Auditory Test. *J Sp Hear Dis* 48:62-69, 1983.
- 5 Causey GD, Hood LJ, Hermanson CL, Bowling LS. The Maryland CNC Test: Normative studies. *Audiol* 23:552-568, 1984.
- 6 Hood LJ, Svirsky MA, Cullen JK Jr. Discrimination of complex speech-related signals for an individual using a multichannel electronic hearing prosthesis as measured by adaptive procedures. *Ann Otol Rhinol Laryngol* 96:38-40, 1987.
- 7 Berlin CI, Jenison VW, Hood LJ, Lyons GD Jr Patient selection for the multichannel electronic hearing prosthesis. *Ann Otol Rhinol Laryngol* 96:104-106, 1987.
- 8 Hood LJ, Webster DB. Reversible conductive hearing loss in mice. *Ann Otol Rhinol Laryngol* 97:281-285, 1988.
- 9 Hood LJ. Update on frequency specificity of AEP measurements. *J Am Acad Audiol* 1:125-129 1990.
- 10 Hood LJ, Martin DA, Berlin CI. Auditory evoked potentials differ at 50 milliseconds in right- and left-handed listeners. *Hear Res* 45:115-122, 1990.
- 11 Berlin CI, Hood LJ, Barlow EK, Morehouse CR, Smith EG. Derived guinea pig compound VIIIth nerve action potentials to continuous pure tones. *Hear Res* 52:271-280, 1991.
- 12 Hood LJ, Berlin CI, Heffner RS, Morehouse CR, Smith EG, Barlow EK. Objective auditory threshold estimation using sine-wave derived responses. *Hear Res* 55:109-116, 1991.
- 13 Berlin CI, Hood LJ, Cecola RP, Jackson DF, Szabo P. 1993. Does Type I afferent neuron dysfunction reveal itself through lack of efferent suppression? *Hear Res* 65:40-50, 1993.
- 14 Berlin CI, Hood LJ, Wen H, Szabo P, Cecola RP, Rigby P, Jackson DF. Contralateral suppression of non-linear click-evoked otoacoustic emissions in humans. *Hear Res* 71:1-11, 1993.
- 15 Hood LJ, Berlin CI, Allen P. Cortical deafness: A longitudinal study. *J Amer Acad Audiol* 5:330- 342, 1994.
- 16 Berlin CI, Hood LJ, Hurley A, Wen H. Contralateral suppression of otoacoustic emissions: An index of the function of the medial olivocochlear system. *Otolaryngol-Head Neck Surg* 100:3-21, 1994.
- 17 Berlin CI, Hood LJ, Hurley A, Wen H, Kemp DT. Binaural noise suppresses click-evoked otoacoustic emissions more than ipsilateral or contralateral noise. *Hear Res* 87:96-103, 1995.
- 18 Starr A, Picton TW, Sininger Y, Hood LJ, Berlin CI. Auditory neuropathy. *Brain*, 119:741-753, 1996.
- 19 Hood LJ, Berlin CI, Hurley A, Cecola RP, Bell B. Contralateral suppression of click-evoked otoacoustic emissions: Intensity effects. *Hear Res* 101:113-118, 1996.
- 20 Berlin CI, Bordelon J, St. John P, Wilensky D, Hurley A, Kluka E, Hood LJ. Reversing click polarity may uncover auditory neuropathy in infants. *Ear and Hearing* 19:37-47, 1998.
- 21 Hood LJ. An overview of neural function and feedback control in human communication. *J. Commun. Dis* 31:1-10, 1998.

- 22 Morell RJ, Kim HJ, Hood LJ, Goforth L, Friderici K, Fisher R, Van Camp G, Berlin CI, Oddux C, Ostrer H, Keats B, Friedman TB. Mutations in the connexin 26 gene (GJB2) among Ashkenazi Jews with nonsyndromic recessive deafness. *New Engl. J. Med.* 339:1500-1505, 1998.
- 23 Morlet T, Goforth L, Hood LJ, Ferber C, Duclaux R, Berlin CI.. Development of human cochlear active mechanism asymmetry: Involvement of the medial olivocochlear system. *Hear. Res.* 134:153-162, 1999.
- 24 Hood LJ. A review of objective methods of evaluating auditory neural pathways. *Laryngoscope* 109:1475-1478, 1999.
- 25 Griffith AJ, Chowdhry AA, Kurima K, Hood LJ, Keats B, Berlin CI, Morell RJ, Friedman TB. Autosomal recessive nonsyndromic neurosensory deafness at DFNB1 not associated with the compound-heterozygous GJB (Connexin 26) genotype M34T/167delT. *Am. J. Hum. Genet.* 67:745-749, 2000.
- 26 Berlin CI, Morlet T, Hood LJ. Auditory neuropathy/dys-synchrony: Its diagnosis and management. *Pediatric Clinics of North America* 50: 331-340, 2003.
- 27 Hood LJ, Berlin CI, Bordelon J, Rose K. Patients with auditory neuropathy/dys-synchrony lack efferent suppression of transient evoked otoacoustic emissions. *Journal of the American Academy of Audiology* 14:302-313, 2003.
- 28 Brashears SM, Morlet TG, Berlin CI, Hood LJ. Olivocochlear efferent suppression in classical musicians. *J. Amer. Acad. Audiol.* 14:314-324, 2003.
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Maloff E, Hood LJ. A Comparison Of Chirp And Click Evoked Auditory Brainstem Response. American Auditory Society, 2008 – NIH Mentored poster awardee.

Hillock A, Hood LJ. Noise Effects on the Speech-Evoked Brainstem Response and Syllable Identification. American Auditory Society, 2008 – NIH Mentored poster awardee.

Spankovich C, Hood LJ. Searching for Optimal Stimuli Eliciting Auditory-Brainstem Responses in Rats. American Auditory Society, 2008.

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[Redacted]

[Redacted]

[Redacted]

5. Presentations at Scientific Meetings (All invited – updated through 2007):

Complete Workshops and Seminars presented as sole invited speaker (Selected):

Topics: "Auditory Evoked Potentials"
 "Evoked Potential Recording and Programming"
 "Central Auditory Processing and Disorders"
 "Otoacoustic Emissions"
 "Suppression of Otoacoustic Emissions"
 "Clinical Audiology and Hearing Science"

Department of Hearing and Speech Sciences, University of Maryland.
 Department of Otolaryngology - Head and Neck Surgery, Department of the Navy, Naval Hospital, Bethesda, Maryland.
 Callier Center for Communication Disorders, University of Texas at Dallas, Dallas, Texas.
 Veterans Administration Medical Center, New Orleans, Louisiana.
 Nova Scotia Hearing and Speech Clinic, Dalhousie University, Nova Scotia, Canada.
 Glenrose Rehabilitation Hospital, Edmonton, Alberta, Canada, 1993.
 Vancouver Health Department, Vancouver, British Columbia, Canada, 1994.
 Macquarie University, Sydney, Australia, 1995, 1996, 1998, 2001.
 University of Arizona/Arizona Health Department, 1999.
 Auditory Neuropathy Workshop (one and one-half days).
 Green Mountain Hearing and Speech Center Seminar Series, Montpelier VT, 2001.
 St. Joseph's Hospital Seminar on advanced ABR applications, Savannah GA, 2001.
 Workshop on otoacoustic emissions. Centre Hospitalier L'Universite de Montreal, Montreal, Canada, 2001.
 Catolica Universidade de Sao Paulo, Pediatric Workshop, Sao Paulo, Brazil, 2001, 2003.
 Texas Tech University, Auditory Neuropathy Workshop sponsored by Texas Tech NAFDA (Student Organization), Lubbock TX, 2001.
 Seton Hall University, New Jersey, 2002, "Evaluation and management of auditory neuropathy".
 Wilford Hall Medical Center, USAF, San Antonio TX, 2003. "Applications of physiological methods in hearing evaluation", "Auditory neuropathy".
 Columbia Regional Program, 2006 "Hereditary Hearing Loss", "Auditory Neuropathy/Dys-synchrony"

Conferences, Workshops, Symposia – All invited (Selected):

Veterans Administration Symposium on Current Topics in Audiology, Irvine, California, 1984.
 Topic: "Auditory Evoked Potential Asymmetries and Their Relation to Ear Dominance for Pitch Perception".
 Communication Disorders Symposium, Ochsner Medical Center, New Orleans, 1986.
 Topic: "Hearing Evaluation and Language Disorders in Children".
 Invited Faculty, Colorado Otology-Audiology Workshop. Annually from 1987-1999.
 American Academy of Audiology Convention, 1989-Present.
 Invited topics include: Frequency Specificity of AEP measures, Auditory neuropathy/dys-synchrony, case studies.
 Federal Executive Board Meeting, New Orleans, LA, 1989.
 Topic: "Technological Advancements for the Hearing-Impaired".

Symposium on Electrophysiologic Measurements, Carle Clinic Association, Urbana, IL, 1989.
 Topics: "Neuroanatomical Aspects of Electrophysiological Measurement Techniques";
 "Frequency Specific Threshold Determination Using the ABR"; "Pediatric Applications of
 Bone Conduction ABR"; "Post-operative Electrical ABRs and MLRs".

Southern Audiological Society Annual Meeting, New Orleans, LA, 1989.
 Topic: "Brain Mapping and Other New Developments in Electrophysiology".

Contemporary Forums Conference on Developmental Interventions in Neonatal Care, New
 Orleans, LA, 1989.
 Topic: "Early Detection and Management of Hearing Impairment in Neonates and Infants".

Lake Charles Audiology Conference, Annual Presentations, 1989-present.

American Academy of Audiology Continuing Education Seminars, Philadelphia, February, 1992;
 Nashville, April, 1992; Los Angeles, May, 1992; Chicago, June, 1992.
 Topic: "Central Auditory Processing: Current Perspectives on Evaluation and
 Management".

Academy of Dispensing Audiologists, 1992.
 Topic: "Clinical Applications of Otoacoustic Emissions".

Audiology Lecture Series "Audiology - The Scope of Practice". Saint Louis University Medical
 Center, 1992.
 Topic: "Otoacoustic Emissions and ABR".

Department of Otolaryngology, Indiana University School of Medicine, 1992.
 Topic: "Otoacoustic Emissions".

Scott Haug Audiology Retreat, Texas, 1993, 1996, 1999.
 Topic: "Otoacoustic Emissions".

Audiological Resource Association, Atlanta, Georgia, 1994.

Kresge Hearing Research Laboratory Fall Scientific Symposia, 1994-Present.
 Topics: Efferent suppression of otoacoustic emissions, Otoacoustic emissions in carriers of
 genes for hereditary hearing loss.

Instructional Courses: American Academy of Audiology Annual Convention, 1995-Present.
 Topics: "Auditory Evoked Potentials; "Suppression of Otoacoustic Emissions" and
 "Auditory Neuropathy".

University of Queensland, Brisbane, Australia, 1995.

University of Auckland, Auckland, New Zealand, 1995.

International Congress of Audiology, Bari, Italy, June, 1996.
 Invited Participant in Roundtable panel on "Aging and Auditory Function".

American Academy of Audiology Continuing Education Seminars, Chicago, September, 1996
 Topic: "Central Auditory Processing: Current Perspectives on Evaluation and
 Management".

Mayo Clinic Annual Audiology Videoconference, Rochester, MN, 1996, 2004.
 Topic: Auditory Neuropathy, Physiologic Methods.

Invited Speaker to Continuing Education Hospital Program on Pediatric Assessment, Whippany,
 New Jersey, 1996.
 Topics: Physiologic and Behavioral Assessment of Peripheral and Central Auditory
 Processing in Pediatric Populations.

Pan-African Otolaryngology Society, Durban, South Africa, 1996.
 Topic: Auditory neuropathy.

South African Speech-Language-Hearing Association, Durban, South Africa, 1996.
 Topics: Identification of hearing loss in the pediatric population: 0 to 3 years;
 Electrophysiological tests: Application to CAPD.

Continuing Education Seminars, Calgary, Alberta, and Toronto, Ontario, 1996.
 Topic: Objective evaluation of auditory function.

Winnipeg Speech and Hearing Association, Winnipeg, Manitoba, 1997.
 Topic: Physiological measures of auditory function.

Private Practice Audiologists of Atlantic Canada, Halifax, Nova Scotia, 1997.
 Topic: Clinical applications of physiological measures of auditory function.

American Speech-Language-Hearing Association Teleconference, 1997, 1999.

Topic: From research to practice - Auditory neuropathy: Diagnosis, management, and prosthetic devices.
 Long Island College Hospital, Brooklyn, NY, 1997
 Topic: Issues in Pediatric Audiology: ABR and audiological procedures.
 American Speech-Language-Hearing Association Annual Convention, Boston, MA, 1997.
 Invited Keynote Speaker for Research Symposium on "Feedback and Executive Control in Human Communication", 1997; Invited presentations, 2000, Washington DC.
 Self Help for Hard of Hearing People (Shhh), New Orleans Chapter, 1997.
 Topic: Hearing tests and how they are used in management of hearing loss.
 Louisiana Conference on Otitis Media, Lafayette, LA, 1998.
 Topic: Short- and long-term effects of otitis media.
 Mid-South Conference on Communication Disorders, Memphis, TN, 1998.
 Topic: Clinical applications of otoacoustic emissions.
 All Children's Hospital, St. Petersburg, FL, 1998.
 Two-day workshop on "Assessment and management of patients with auditory neuropathy."
 Grand Rounds Lecture on "Auditory neuropathy".
 First International Audiology Conference, Universidade de Franca, Franca, Sao Paulo, Brazil, 1998.
 Topics: Auditory Neuropathy, OAEs and Auditory Evoked Potentials.
 Pontificia Universidade Catolica de Sao Paulo, Sao Paulo, Brazil, 1998, 2004.
 Topics: Auditory Neuropathy, OAEs and Auditory Evoked Potentials.
 International Congress of Audiology, Buenos Aires, Argentina, 1998.
 Invited Presenter of Special Conference on Auditory Neuropathy.
 Invited Participant in Symposium on "Auditory Evoked Potentials and Electrocochleography".
 Louisiana Board of Examiners in Speech Pathology and Audiology Workshop, Baton Rouge, Louisiana.
 Topics 1999: "Audiology Grand Rounds"; "Central Auditory Processing Disorders".
 Topic 2003: "Auditory Neuropathy"
 Wayne State University George Kopp Memorial Lecture, Detroit, Michigan, 1999.
 Topic: "Central Auditory Function and Disorders".
 The Triological Society Annual Meeting, Palm Desert, California, 1999. Presidential Invited Lecture. Topic: "Peripheral and Central Auditory Neural Disorders".
 Hearing Science for Practicing Otologists '99, in Beijing, China, 1999. Invited speaker, co-sponsored by University of Buffalo and PLA Hospital 301, Beijing, China.
 Speech Pathologists and Audiologists in the Louisiana Schools, 2000. Invited speaker, Alexandria, Louisiana.
 Northern Illinois University, Dekalb, Illinois, 2000. Invited speaker, seminar on Auditory Neuropathy.
 Congress of the Ordre des orthophonistes et audiologistes du Quebec, Rimouski, Quebec, Canada, 2000. Invited speaker on Auditory Neuropathy and Otoacoustic Emissions.
 Consensus Conference on the Diagnosis of Auditory Processing Disorders in School-Age Children, Dallas, Texas, 2000. Invited participant.
 Congress of Audiology, Otolaryngology, and Fonologia of Mexico, Guadalajara, Mexico. 2001. Invited speaker.
 Hebert J. Oyer Lecturer, Michigan State University, East Lansing MI. 2001.
 University of California at San Francisco Audiology and Amplification Update, San Francisco CA, 2001.
 Children's Hospital of St. Petersburg FL. Workshops 2000, 2002. Consultant to Audiology Program.
 Morton Plant Hospital, Tampa FL, 2002. "Auditory evoked potentials", "Auditory neuropathy", "Hereditary hearing loss".
 Newborn Hearing Screening Conference, University of Nottingham, Nottingham, England, 2002, "Auditory Neuropathy".
 Pediatric Hearing Conference, Phonak Italia, Milan, Italy, 2002, "Auditory neuropathy".
 Oakland Children's Hospital, Oakland CA, 2002, "Auditory neuropathy: Implications for management in pediatric patients".

Long Island Jewish Medical Center, 2002, "Auditory neuropathy".
 FM Technology ACCESS Conference, Phonak, Chicago IL, 2003. "Applications of FM technology in patients with auditory neuropathy".
 UK Newborn Hearing Screening Conference "Auditory Neuropathy/Dys-synchrony", Manchester, UK, 2004.
 Cleveland Clinic Conference, "Auditory Neuropathy/Dys-synchrony", 2004.
 Speech-Language Pathologists and Audiologists in the Schools of Louisiana Conference, Baton Rouge, LA "Diagnosis of Hearing Loss in Infants and Young Children", 2004.
 Marion Downs Hearing Center Infant Hearing Symposium, Breckenridge CO, 2005.
 Portland VA meeting on Hearing and Aging, panel participant, 2005.
 Newfoundland-Labrador Speech and Hearing Association, 2005.
 UK Newborn Hearing Screening Conference "Auditory Neuropathy/Dys-synchrony", Manchester, UK, 2006.
 Pediatric Audiology Topics, NYC, Hartford, Dallas, 2005, 2006.
 American Speech-Language-Hearing Association, 2006.
 Vanderbilt Continuing Education Course (Speaker, two lectures), 2007.
 University of South Florida course on Auditory Neuropathy/Dys-synchrony (two-day course, lectures and discussion), 2007.
 Mid-South Conference, Memphis TN (gratis student presentation), 2007.
 New Brunswick Speech and Hearing Association, 2007.
 International Congress of Audiology, Innsbruck, Austria. Invited organizer of Roundtable Session on the Efferent System. Invited Speaker.
 Rhode Island Project Newborn Hearing Conference (Invited Speaker, by Betty Vohr), 2007

State Academy of Audiology Meetings – All invited:

New Jersey Academy of Audiology, 1993.
 Oregon Academy of Audiology, Portland, OR, 1998.
 Topic: Auditory Neuropathy.
 Illinois Academy of Audiology, 1999, 2004.
 Topic: Otoacoustic Emissions and Auditory Evoked Potentials.
 South Carolina Academy of Audiology, 2000.
 Topics: Auditory Neuropathy, Auditory Evoked Potentials, Hereditary Hearing Loss.
 Northern Ohio Academy of Audiology, 2000.
 Topic: Evaluation and Management of Auditory Neuropathy.
 Ohio Academy of Audiology, 2003
 Topic: Auditory Neuropathy.
 Colorado Academy of Audiology, 2003.
 Topic: Evaluation and Management of Auditory Neuropathy.
 Pennsylvania Academy of Audiology, 2006
 Illinois Academy of Audiology, Chicago, 2007
 Topic: Hereditary Hearing Loss.

State Speech and Hearing Association Annual Meetings – All invited:

New Jersey Speech and Hearing Association Meeting, May, 1987.
 Topics: "The Auditory Brainstem Response in the Audiological Test Battery" and "The Middle Latency Response: An Update and Current Clinical Applications".
 Georgia Speech and Hearing Association, November, 1987.
 Topic: "Auditory Processing Disorders".
 Pennsylvania State Speech and Hearing Association Meeting, March, 1985.
 Topic: "Current Issues in the Clinical Use of Auditory Brainstem and Middle Latency Responses".
 Pennsylvania Speech and Hearing Association, March, 1989.

- Topics: "Current Clinical Applications of the Auditory Brainstem Response"; "Auditory Evoked Potentials from the VIIIth Nerve to the Cortex"; "Audiology and the Future: The American Academy of Audiology".
- Illinois Speech-Language-Hearing Association, February, 1990.
Topic: "AEP Update: Testing Adults with Neurological Disorders".
- Georgia Speech-Language-Hearing Association, March, 1990.
Topic: "Auditory Evoked Potential Update".
- Arizona Speech and Hearing Association, 1990.
Topics: "Cochlear Implants", "Aging and Hearing".
- South Carolina Speech-Language-Hearing Association, March, 1991.
Topic: "Auditory Evoked Potentials".
- Louisiana Speech and Hearing Association, October, 1991.
Topic: "Cochlear Implants".
- Tennessee Association of Audiologists and Speech-Language Pathologists, March, 1992.
Topic: "Clinical Applications of Otoacoustic Emissions".
- Missouri Speech-Language-Hearing Association, March, 1992.
Topic: "The Auditory Brainstem Response: Current Applications and New Techniques".
- Maryland Speech and Hearing Association, April, 1992.
Topic: "Clinical Applications of Otoacoustic Emissions".
- Speech and Hearing Association of Alabama, April, 1992.
Topic: "Applications of Otoacoustic Emissions and Auditory Evoked Potentials in Peripheral and Central Auditory Testing".
- Speech and Hearing Association of Virginia, March, 1993.
Topic: "Clinical Assessment of Central Auditory processing Disorders Using Physiological Techniques".
- Hawaii Speech and Hearing Association, Honolulu, April, 1995.
Topics: "Auditory Evoked Potentials", "Otoacoustic Emissions", "Central Auditory Processing".
- Mississippi Speech and Hearing Association, April, 1995.
Topics: "Auditory Evoked Potentials"; "Otoacoustic Emissions".
- Florida Speech-Language-Audiology Association, May, 1996.
Topic: "Physiological Measures of Auditory Function from the Cochlea to the Cortex".
- Texas Speech and Hearing Association, Austin TX, 1997.
Topic: Clinical applications of otoacoustic emissions.
- North Dakota Speech and Hearing Association, Fargo, ND, 1997.
Topic: Audiological strategies in the evaluation of central auditory function.
- Pennsylvania Speech-Language-Hearing Association, Philadelphia, PA, 1998.
Topics: Clinical applications of otoacoustic emissions; Auditory neuropathy.
- Maryland Speech-Language-Hearing Association, Baltimore, MD, 1998.
Topic: Assessment and management of patients with auditory neuropathy.
- Missouri Speech-Language-Hearing Association, Columbia, MO, 1998.
Topics: Clinical applications of otoacoustic emissions; Identification and management of patients with auditory neuropathy.
- Mississippi Speech-Language-Hearing Association, Jackson, MS, 1999.
Topics: "Current trends, techniques, and applications of OAEs and ABR in audiology"; "Assessment and management of patients with auditory neuropathy".
- Minnesota Speech-Language-Hearing Association, Bloomington, MN, 1999.
Topic: Current trends in the use of OAEs and ABR in audiology and their applications in cochlear and neural disorders, including auditory neuropathy.
- New York State Speech-Language-Hearing Association, Saratoga, New York, 2000, 2004.
Topic: Assessment and Management of Patients with Auditory Neuropathy
- Oklahoma Speech and Hearing Association, Oklahoma City, 2002.
- Long Island Speech and Hearing Association, 2002, "Auditory neuropathy".
- Ohio Speech and Hearing Association, 2003, "Applications of Physiological Responses in Audiological Assessment".
- Minnesota Speech and Hearing Association, Minneapolis MN, 2003, "Auditory Neuropathy",

“Hereditary Hearing Loss”.

Florida Speech-Language-Hearing Association, “Pediatric Audiology”, 2003.

Illinois Speech-Language-Hearing Association”, 2006.

Texas Speech and Hearing Association, 2007.

Topic: Assessment and Management of Patients with Auditory Neuropathy